

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 6

### Complete if Known

Application Number	10/586,501
Filing Date	September 14, 2007
First Named Inventor	Martin Hendrix
Art Unit	1624
Examiner Name	Deepak R. Rao
Attorney Docket Number	01-2118

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	A1	US- 5 041 449	08-20-1991	BELLEAU ET AL.	
	A2	US- 5 047 407	09-10-1991	BELLEAU ET AL.	
	A3	US- 5 053 499	10-01-1991	KOJIMA ET AL.	
	A4	US- 5 270 315	12-14-1993	BELLEAU	
	A5	US- 5 294 612	03-15-1994	BACON ET AL.	
	A6	US- 5 466 806	11-14-1995	BELLEAU ET AL.	
	A7	US- 5 541 187	07-30-1996	BACON ET AL.	
	A8	US- 5 563 049	10-08-1996	KOJIMA ET AL.	
	A9	US- 5 656 629	08-12-1997	BACON ET AL.	
	A10	US- 5 684 164	11-04-1997	BELLEAU ET AL.	
	A11	US- 5 750 673	05-12-1998	MARTIN	
	A12	US- 5 969 116	10-19-1999	MARTIN	
	A13	US- 5 977 332	11-02-1999	MARTIN	
	A14	US- 5 977 118	11-02-1999	BACON ET AL.	
	A15	US- 6 100 037	08-08-2000	PHILLIPS ET AL.	
	A16	US- 6 175 008	01-16-2001	BELLEAU ET AL.	
	A17	US- 6 174 884	01-16-2001	HANING ET AL.	
	A18	US- 6 211 158	04-03-2001	SEELA ET AL.	
	A19	US- 6 225 315	05-01-2001	ELLIS	
	A20	US- 2001 0041797	11-15-2001	BELLEAU ET AL.	
	A21	US- 2001 0044441	11-22-2001	CAMPBELL ET AL.	
	A22	US- 6 350 753	02-26-2002	BELLEAU ET AL.	
	A23	US- 2002 058635	05-16-2002	AVERETT	
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	A25	US- 6 458 796	10-01-2002	HANING ET AL.	
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	A36	US- 7 122 693	10-17-2006	BELLEAU ET AL.	
	A37	US- 2006 250651	11-16-2006	LINSCHOTEN ET AL.	
	A38	US- 2007 0037977	02-15-2007	BELLEAU ET AL.	
	A39	US- 2007 0105881	05-10-2007	HENDRIX ET AL.	
Examiner Signature	/Deepak Rao/			Date Considered	09/12/2011

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	A40	US- 7 488 733	05-10-2007	HENDRIX ET AL.	
	A41	US- 2009 0111838	04-30-2009	HENDRIX ET AL.	
	A42	US- 2010 0035900	02-11-2010	HENDRIX ET AL.	
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	A44	US- 2011 0015193	01-20-2011	EICKMEIER ET AL.	
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	A46	US- 2011 0082137	04-07-2011	GIOVANNINI ET AL.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1	GB-937 724	09-25-1963	CIBA LTD		
	B2	CH-396 924	08-15-1965	CIBA GEIGY		A34
	B3	CH-396 925	08-15-1965	CIBA GEIGY		A34
	B4	EP-0 130 735	01-09-1985	AMERICAN HOME PROD		
	B5	EP-0 286 028	10-12-1988	BOEHRINGER MANNHEIM GMBH		B8
	B6	DE-4 004 558	09-27-1990	SANYO KOKUSAKU PULP CO		A3
	B7	EP-496 617	07-29-1992	GENSIA PHARMA		
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	B9	WO-94 14802	07-07-1994	BELLEAU PIERRETTE & HF		
	B10	WO-94 17803	08-18-1994	GENSIA INC		
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	B13	WO-97 16456	05-09-1997	CHONG KUN DANG CORP		
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	B16	WO-98 16184	04-23-1998	ICN PHARMACEUTICALS		
	B17	WO-98 40384	09-17-1998	BAYER AG		
	B18	JP-11-501923	02-16-1999	SANOI WINTHROP INC.		
	B19	WO-2000 04394	07-27-2000	USTAV EXPERIMENTALRI BOTANIKY AV CR		
	B20	WO-2001 05758	01-25-2001	NPS ALLELIX CORP		
	B21	WO-2001 060315	08-23-2001	BIOCHEM PHARMA INC		

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		Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> (if known)				
	B22	JP-2001 514838	09-11-2001	BAYER AG		A17
	B23	WO-2001 077075	10-18-2001	INOTEK CORP		
	B24	WO-2002 16348	02-28-2002	ASTRAZENECA AB		
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	B27	WO-2002 074774	09-26-2002	PFIZER LTD		
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	B34	WO-2003 099840	12-04-2003	ISIS PHARMACEUTICALS INC		
	B35	WO-2004 002999	01-08-2004	IDENIX CAYMAN LTD		
	B36	CA-2 496 194	03-04-2004	BAYER HEALTHCARE AG		
	B37	DE-102 38 722	03-11-2004	BAYER AG		A34
	B38	WO-2004 046331	06-03-2004	IDENIX CAYMAN LTD		
	B39	EP-1 460 077	09-22-2004	JORDANIAN PHARMACEUTICAL MFG		
	B40	JP-2004 536933	12-09-2004	PPG IND OHIO INC		B29
	B41	WO-2004 108139	12-16-2004	AREXIS AB		A37
	B42	WO-2004 113306	12-29-2004	BAYER HEALTHCARE AG		A40
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	B44	JP-2005 531549	10-20-2005	BAYER CROPSOURCE AG		A33
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	B47	WO-2006 076455	07-20-2006	ARENA PHARM INC.		
	B48	WO-2006 084281	08-10-2006	MILLENNIUM PHARM INC		
	B49	WO-2006 091905	08-31-2006	GILEAD SCIENCES INC		
	B50	WO-2006 125548	11-30-2006	BAYER HEALTHCARE AG		C9

Examiner Signature	/Deepak Rao/	Date Considered	09/12/2011
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Sheet **4** of **6**

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	B51	WO-2007 025043	03-01-2007	IDENIX PHARMACEUTICALS INC		
	B52	WO-2007 046747	04-26-2007	ASTRAZENECA AB		
	B53	WO-2008 005542	01-10-2008	GILEAD SCIENCES INC		
	B54	WO-2008 055959	05-15-2008	GALAPAGOS N V		
	B55	WO-2008 100447	08-21-2008	GILEAD SCIENCES INC		
	B56	WO-2008 104077	09-04-2008	METHYLGENE INC		
	B57	WO-2008 139293	11-20-2008	PFIZER		
	B58	WO-2009 068617	06-04-2009	BOEHRINGER INGELHEIM INT		
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	B60	WO-2010 026214	03-11-2010	BOEHRINGER INGELHEIM INT		
	B61	WO-2010 112437	10-07-2010	BOEHRINGER INGELHEIM INT		
	B62	WO-2011 018495	02-17-2011	BOEHRINGER INGELHEIM INT		

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	Accessed on December 18, 2008, <a href="http://en.wikipedia.org/wiki/Amnesia">http://en.wikipedia.org/wiki/Amnesia</a>	
	C2	Accessed on December 18, 2008, <a href="http://www.mentalhealth.org.uk/information/mental-health-a-z/dementia">www.mentalhealth.org.uk/information/mental-health-a-z/dementia</a>	
	C3	BARGER ET AL., "Role of cyclic GMP in the Regulation of Neuronal Calcium and Survival by Secreted Forms of Beta-Amyloid Precursor," J of Neurochem, 1995, Vol. 64, No. 5, pp. 2087-2096	
	C4	BYRN ET AL., Solid State Chemistry of Drugs, 1999, Second Edition, Chapter 11, pp. 232-247	
	C5	Chem Abstracts Service, Database Accession No. ALB-H01677136, Database Chemicals, 2007, XP002556399	
	C6	FRANCIS ET AL., "Cortical Pyramidal Neurone Loss May Cause Glutamatergic Hypoactivity and Cognitive Impairment in Alzheimer's Disease: Investigative and Therapeutic Perspectives," Journal of Neurochemistry, 1993, Vol. 60, No. 5, pp. 1559-1594	
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	C8	HARB ET AL., "Pyrazoles as building blocks in heterocyclic synthesis," Chemical Papers, 2005, Vol. 59, No. 3, pp. 187-195, XP002498688	
	C9	HENDRIX, M. ET AL., "Use of pyrazolopyrimidine against cardiovascular diseases," Data retrieved from espacenet worldwide database, Publication Date: November 30, 2006; English Abstract of WO-2006 125548	
	C10	HETMAN ET AL., "Isolation and characterization of PDE7B, a..." Proc. Nat. Acad. Sci., 2000, Vol. 97, No. 1, pp. 472-476	
	C11	HUNG ET AL., "A high-yielding synthesis of monalkylhydrazines," Journal of Organic Chemistry, 1981, Vol. 46, pp. 5413-5414	
	C12	International Search Report of PCT/EP2003/08880 dated April 1, 2004, International Filing Date: August 11, 2003, International Publication No. WO 2004 026286	
	C13	Last accessed July 15, 2010http://www.nlm.nih.gov/medlineplus/ency/article/000746.htm	
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	C21	REYMANN ET AL., "The late maintenance of hippocampal LTP: Requirements, phases, 'synaptic tagging', 'late-associativity' and implications," Neuropharmacology, 2007, Vol. 52, pp. 24-40	
	C22	SKIPPER ET AL., "Structure-Activity Relationships Observed on Screening a Series of Pyrazolopyrimidines against Experimental Neoplasms," Cancer Research, 1957, Vol. 17, pp. 579-596	

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C23	TIMBERLAKE ET AL., "Chemistry of Hydrazo-, Azo-, and Azoxy Groups," Patai, 1975, Chapter 4	
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	C25	VAN STAVEREN ET AL., Journal of Neurocytology, 2002, Vol. 31, pp. 729-741	
	C28	WANG ET AL., "Identification and characterization of a new human type 9 Cgmp-specific phosphodiesterase-splice variant (PDE9A5) Different tissue distribution and subcellular localization of PDE9A variants," Gene, 2003, Vol. 314, pp. 15-27	

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